



## **9<sup>th</sup> Symposium on Diseases in Asian Aquaculture (DAA9)**

The Fish Health Section (FHS) of the Asian Fisheries Society (AFS) and The Department of Animal Health (DAH) of Ministry of Agriculture and Rural Development (MARD) of Vietnam are pleased to announce the 9th Symposium on Diseases in Asian Aquaculture (DAA9) in **Ho Chi Minh City, Vietnam from 24-28 November 2014.**

### **Important dates:**

Early Bird Registration by *31<sup>st</sup> July 2014*

- : 300 USD for FHS members
- : 350 USD for Non-FHS members

Registration now open until *24<sup>th</sup> Nov 2014:*

- : 350 USD for FHS members
- : 400 USD for Non-FHS members

FHS Student Members registers for 200 USD by 31<sup>st</sup> July or 250 USD

*Student travel awards available – please see website.*

Visit DAA9 website at [www.daa9.org](http://www.daa9.org) and register NOW. Submit your proposed topics including AHPND, with abstracts for presentations as oral or poster papers.

The Japanese Society of Fish Pathology (JSFP), co-sponsor of DAA9 will publish 30 papers presented at the DAA9 symposium in the JSFP Journal “**Fish Pathology**” as a special on-line issue within one year of DAA9. JSFP will provide online access of the special issue of Fish Pathology to all members of FHS and JSFP.

### **Special Session on Shrimp AHPND in 9<sup>th</sup> Symposium on Diseases in Asian Aquaculture (DAA9)**

The Organizers of DAA9 will convene a special session on shrimp EMS/AHPND. If you want to know the latest on this emerging shrimp disease and become part of the Asian Fisheries Society (AFS) Fish Health Section (FHS) network, don't miss this opportunity to attend DAA9.



Prof Tim Flegel will facilitate the session in collaboration with FHS (AFS) and DAH (MARD) with an opening presentation titled “**EMS/AHPND: a game changer for the future development of aquaculture**”. This will be followed by presentations from other invited speakers and speakers selected from submitted abstracts. Prof Lightner, Dr Gomez-Gill, Dr Hirono, Prof Grace Lo and Prof Sorgeloos have confirmed their presentations at this session. We are expecting many ground breaking presentations from other leading regional and international researchers in this area. The session will cover broad topics, including sequencing and analysis of genomic and epigenomic DNA of AHPND isolates pathology, epidemiology and control, and ongoing initiatives in Asia Pacific for dealing with EMS. The session will be a part of the 5-day DAA9 event and is open to all DAA9 registered delegates.



15 June 2014

Dear FHS Members,

**Call for Nominations for FHS-AFS Exe-Com for 2014-2017**

The new exe-com for 2014-2017 will be elected at the 10<sup>th</sup> Triennial General Meeting (TGM) of the FHS to be held on 26<sup>th</sup> Nov 2014 at 19.00 hours in Rex Hotel, HCM City, Vietnam in conjunction with DAA9.

The Exe-com has the following positions:

- Chairperson (1)
- Vice-Chairperson (1)
- Secretary/Treasurer (1)
- Members – (8)

As per FHS tradition and by-laws, the present Vice Chairperson will become the Chairperson and the present Chairperson will become one of the Members as past Chairperson

This means one vice Chairperson, one secretary/treasurer and 7 members will have to be elected at the 10<sup>th</sup> TGM.

The following should be considered while sending nominations

- Should be a member of FHS-AFS
- Should be a fish health worker
- The person should have a history of involvement in FHS activities
- Should be able to participate DAA10 in Vietnam and also DAA10 in 2017 (place to be identified)
- Should have demonstrated abilities to contribute to the activities of FHS voluntarily
- Should be willing to serve on the Exe-com for 2014-2017

FHS members are requested to nominate individuals for the above positions. The nominations giving details of the person nominated along with his/her brief CV may be sent to the Secretary/Treasurer at [puttharat@hotmail.com](mailto:puttharat@hotmail.com) with copy to the Chairperson at [V.Chadag@cgiar.org](mailto:V.Chadag@cgiar.org) or [mohan.chadag@gmail.com](mailto:mohan.chadag@gmail.com)



## People news

If you would like to let your fellow researchers know of your new adventures and whereabouts, drop me a line or two with your new contact details. Ed.

**Dr Mohan Chadag** is now Senior Scientist Aquaculture, Aquaculture & Genetics Department at WorldFish based in Penang as of 1<sup>st</sup> April 2014, after 11 years at NACA. His new email contact is V.Chadag@cgiar.org. We look forward to hearing exciting news from him at WorldFish.

## Next Issue of the FHS Newsletter

We will be pleased to receive from you feature articles on aquatic animal health or any activities that you wish to share with us.

Please send in articles for the next newsletter to the editor Dr Susan Gibson-Kueh by **Dec 2014**:

Email: [S.Kueh@murdoch.edu.au](mailto:S.Kueh@murdoch.edu.au) or Susan.Kueh@gmail.com



## **Aquaculture News**

### ***Algae as protein source in fish meals***

The use of fish meals in fish feed in aquaculture has largely been held as unsustainable in the long term. There is growing interests in algae as a replacement for fish meal.

<http://www.thefishsite.com/articles/1767/the-use-of-algae-in-fish-feeds-as-alternatives-to-fishmeal>

### ***World largest salmon farms in Chile believes in R&D***

AquaChile boasts a market capital of \$825mil, and believes that R&D is the way forward. Working with Dupont, it was shown that the use of essential Omega 3 fatty acids produced by yeast-based fermentation could significantly decrease the use of fish oil in salmon aquaculture — it could cut the four kilograms of wild fish once needed to produce farmed salmon (4:1) down to 1 kilogram (1:1), while still maintaining nutritional value and quality.

<http://www.intrafish.com/aquaculture/>

<http://www.dupont.com/corporate-functions/our-approach/global-challenges/food/articles/sustainable-salmon.html>

### ***High energy requirement of land-based recirculating systems not commercially viable for grow-out***

This method of fish farming have been reported to be highly energy intensive using up to 22,600kilowatts to produce one tonne of fish, and is associated with higher feed wastage and mortality rates.

<http://msc.khamiahosting.com/closed-containment-not-commercially-viable-or-environmentally-friendly-means-raising-atlantic-salmon>



**A Review on Fish Vetting Techniques & Practical Tips - an Instructional Video** *By Dr Richmond Loh*

Available from [www.thefishvet.com.au](http://www.thefishvet.com.au)

For fish health professionals and enthusiasts who hate reading voluminous texts on otherwise simple but invaluable disease diagnostic and treatment procedures, this DVD is a great resource of useful videos. The author shares with you his experience on practical ways of carrying out common procedures used when working with fish, such as taking body weight, evenly distributing treatment chemicals into a pond, common injection sites, debriding skin ulcers so commonly seen in kois, useful diagnostic techniques such as wet preps, blood sampling and some great examples of common parasites of fish.

The no-nonsense, straight to the point style of presentation makes the video a pleasant way to pick up useful practical tips, such as the vast difference staining can make to examination of wet preps for parasites. The video certainly takes the fear out of learning useful basic sampling techniques such as bacterial culture from a freshly dead fish. The timing for performing bacterial culture from a fish after death is particularly important for remote fish farms. Dead fish tissues become quickly swarmed by bacteria normally present in fish or in water, even if they have been kept on ice. This makes recovery of bacteria which may have caused the disease difficult if there is a period of more than several hours travel from the farm to the diagnostic laboratory. This is no doubt a DVD which will support the diagnosis of fish disease. I look forward to seeing the addition of more practical fish health management tips to the DVD in its next edition.

*Reviewed by Dr. Susan Gibson-Kueh, Murdoch University, Perth, Western Australia*